

Customer No. 28880

Confirmation No. 8043

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 18

Complete if Known

Application Number	10/743,470
Filing Date	December 23, 2003
First Named Inventor	Dasseux, et al
Art Unit	1614
Examiner Name	Zucker, Paul A.
Attorney Docket Number	PC 20612C (10173-034-999)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,930,024A	12/30/1975	Creger, Paul L	
		US- 4,287,200A	9/1/1981	Kawamatsu, Yitala. et al	
		US- 5,756, 544A	5/26/1998	Greger, Paul L, et al	
		US- 2004-0214777A1	12/23/2003	Dasseux, et al	
		US- 2004-0209847A1	10/21/04	Dasseux, et al	
		US- 3,152,148A	10/1964	Easterly, et al	
		US- 3,773,946A	11/1973	Creger	
		US- 3,930,024A	12/1975	Creger	
		US- 4,287,200A	9/1981	Kawamatsu, et al	
		US- 4,584,321A	4/1996	Manghisi, et al	
		US- 4,613,593A	9/1986	Yamatsu, et al	
		US- 4,634,719A	1/1987	Takaishi, et al	
		US- 4,896,344A	8/1987	Bar-Tana, Jacob	
		US- 4,711,896A	12/1987	Bar-Tana, et al	
		US- 4,714,762A	12/1987	Hoeffle, et al	
		US- 5,166,174A	11/1992	Ueno, et al	
		US- 5,225,439A	7/1993	Ueno, et al	
		US- 5,284,858A	2/1994	Ueno, et al	
		US- 5,380,709A	1/1995	Ueno, et al	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		FR 1 545 224A	11/8/1968	Geigy AG J R		
		GB 1196594 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196595 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196596 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196597 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196598 English Equivalent to FR 1545 224	7/1/1970	Howell		

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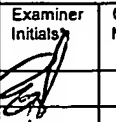
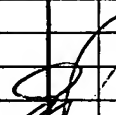
Sheet 2

of 18

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Application Number	10/743,470
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First Named Inventor	Dasseux, et al
Art Unit	1614
Examiner Name	Zucker, Paul A.
Attorney Docket Number	PC 20612C (10173-034-999)

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		US- 5,428,062A	6/1995	Ueno, et al		
		US- 5,648,387A	7/1997	Bisgaier, et al		
		US- 5,750,569A	5/1998	Bisgaier, et al		
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			US- 6,703,422	4/9/2004	Dasseux, et al	
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			US- 3,773,946	11/1973	Creger	
		US- 3,930,024	12/1975	Creger		

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		WO 98/30530A	7/16/1998	Bar-Tana, Jacob		
		EP 0 284 108	9/28/87	McFetridge		
		WO 96/30328	7/16/98	Baluais		
		WO 99/00116	1/7/99	Bar-Tana, Jacob		

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		Filing Date	December 23, 2003
		First Named Inventor	Dasseux, et al
		Art Unit	1614
		Examiner Name	Zucker, Paul A.
Sheet 3 of 18	Attorney Docket Number	PC20612C (10173-034-999)	

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		US- 4,287,200	9/1981	Kawamatsu et al	
		US- 4,584,321	4/1986	Manghisi et al	
		US- 4,613,593	9/1986	Yamatsu et al	
		US- 4,634,719	1/1987	Takaishi et al	
		US- 4,639,344	8/1987	Bar-Tana et al	
		US- 4,711,896	12/1987	Bar-Tana et al	
		US- 5,502,198	3/1996	Picard et al	
		US- 5,504,073	4/1996	Homan	
		US- 5,578,639	11/1996	Homan	
		US- 5,633,287	5/1997	Lee, et al	
		US- 5,648,387	7/1997	Bisgaier et al	
		US- 5,570,569	5/1998	Bisgaier, et al	
		US- 5,968,963	10/1999	Homan	
		US- 5,981,595	11/1999	Picard et al	
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		US- 6,093,719	7/2000	Bocan	
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		US- 6,124,309	9/2000	Bocan	
		US- 6,143,755	11/2000	Bocan	

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				Art Unit	1614
				Examiner Name	Zucker, Paul A.
Sheet	4	of	18	Attorney Docket Number	PC 20612C (10173-034-999)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BICKING, et al., "11,12-Secoprostaglandins. I. Acylhydroxyalkanoic acids and related compounds", J. Med. Chem., 1977, pp. 35-43, vol. 20	
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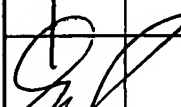
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		WEBER, et al., abstract, J. Med. Chem., 1992, pp. 3755-3773, vol. 35, no. 21	
		YAMAMOTO, "Asymmetrical synthesis of 5-and 6-membered lactones from cyclic substrates bearing a C2-chiral auxiliary", J. Org. Chem., 1991, pp. 1112-1119, vol. 35, no. 21	
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		ENGLISH, J. Am. Chem. Soc., 1941, pg. 942, vol. 63	
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		SILVERMAN, The Organic Chemistry of Drug Design and Drug Interaction, 1992, pp. 15-22	
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		BARRANS et al., 1996, "Pre-beta HDL; structure and metabolism", Biochim. Biophys. Acta. 1300(2):73-85.	

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		BROWN et al., 1965, "Selective reductions. VII. Reaction of lithium trimethoxyluminohydride with selected organic compounds containing representative functional groups", J. Am. Chem. Soc. 87:5614-20	
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		CAMPAGNA et al., 1994, "Cyclic Amidine Analogues of Taurine and Homotaurine: Synthesis and Effects on Rat Skeletal Muscle", Farmaco, Ed. Sci 49:653-658.	

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		Application Number	10/743,470		
		Filing Date	December 23, 2003		
		First Named Inventor	Dasseux, et al		
		Art Unit	1614		
		Examiner Name	Zucker, Paul A.		
Sheet	8	of	18	Attorney Docket Number	PC 20612C (10173-034-999)

NON PATENT LITERATURE DOCUMENTS			
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		CAROTHERS, 1924, "Platinum oxide as a catalyst in the reduction of organic compounds. V. The preparation of primary alcohols by the catalytic hydrogenation of aldehydes.sup.1", J. Am. Chem. Soc. 46:1675-83.	
		CERNY et al., 1969, "Properties of Sodium Bis-(2-Methoxyethoxy) Aluminum Hydride", Collect Czech Chem Commn. 34:1025-33.	
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		CHAIKIN et al., 1949, "Lithium Borohydride as a Reducing Agent", J. Am. Chem. Soc. 71:3245-46.	
		CHEN et al., 1998, "Asymmetric total synthesis of phosphatidylinositol 3-phosphate and 4-phosphate derivatives", J. Org. Chem. 63:6511-22	
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		CORBRIDGE, 1985, "Phosphorus: An Outline of Its Chemistry, Biochemistry and Technology", Studies in Inorganic Chemistry, 3.sup.rd ed, pp. 357-395	
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		COREY et al., 1967, "A useful method for the conversion of alcohols into iodides", J. Org. Chem. 32: 4160-4161	
		DANHEISER et al., 1991, "A Practical and Efficient Method for Synthesis of .beta.-Lactones", J. Org. Chem. 56:1176-85	

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		DANSKY HM, Fisher EA, 1999, "High-density lipoprotein and plaque regression: the good cholesterol gets even better", Circulation 100(17):1762-3	
		DECOSSIN et al., 1997, "Subclasses of LpA-I in coronary artery disease: distribution and cholesterol efflux ability", Eur J Clin Invest. 27(4):299-307	
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		FIELDING & FIELDING, 1995, "Molecular physiology of reverse cholesterol transport", J Lipid Res. 36(2):211-28	
		FRASER et al., 1985, "Acidity measurements in the THF. V..sup.1 Heteroaromatic compounds containing 5-membered rings", Can. J. Chem 63:3505-09	
		GAREGG et al., 1980, "Novel Reagent System for converting a Hydroxy-group into an Iodo-group in carbohydrates with Inversion of Configuration", J.C.S. Perkin I 2866-2868	
		GEARING et al., 1993, "Interaction of the peroxisome-proliferator-activated receptor and retinoid X receptor", Proc. Natl. Acad. Sci. USA 90(4):1440-1444	
		GIGG et al., 1967, "The Preparation of Unsymmetrical Diglycerides", J. Chem. Soc., C, 431-434	

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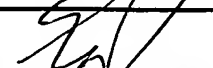
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		GREEN AND KEHINDE, 1975, "An established preadipose cell line and its differentiation in culture. II. Factors affecting the adipose conversion", Cell. 5(1):19-27	
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		HEYMAN, et al., 1992, "9-cis retinoic acid is a high affinity ligand for the retinoid X receptor", Cell 68(2):397-406	
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		HOYER et al., 1986, "Catalysis by acidic clay of the protective tetrahydropyranlation of alcohols and phenols", Synthesis 655-57	
		HUDLICKY, M., 1996, "Reduction of esters and lactones of carboxylic acids", Reductions in Organic Chemistry, 2.sup.nd Ed., pp 212-217	
		HUDLICKY, M, 1996, "Reduction of aldehydes and their derivatives", Reductions in Organic Chemistry, 2.sup.nd ed. pp 137-139	

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Substitute for form 1449/PTO



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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First Named Inventor		Dasseux, et al	
Art Unit		1614	
Examiner Name		Zucker, Paul A.	
Attorney Docket Number		PC 20612C (10173-034-999)	
Sheet	11	of	18

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		ISHIBASHI, et al., 1994, "Massive xanthomatosis and atherosclerosis in cholesterol-fed low density lipoprotein receptor-negative mice", J Clin Invest. 93(5):1885-93	
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		KLIEWER et al., 1992, "Convergence of 9-cis retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors", Nature. 27:358(6389):771-4	
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		MARCH, J., 1992, Advanced Organic Chemistry; reactions Mechanisms, and Structure, 4.sup.th ed., pp248-272, 1196-98, 437-438, 920-929.	
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		NYSTROM et al., 1947, "Reduction of Organic Compounds by Lithium Aluminum Hydride", J. Am. Chem Soc. 69:1197-1199.	

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		NYSTROM et al., 1949, "Lithium borohydride as a reducing agent", J. Am. Chem. 71:3245-47.	
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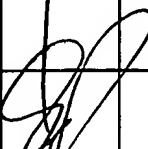
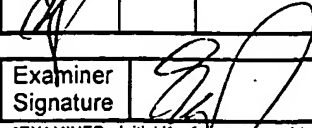
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/743,470		
		Filing Date	December 23, 2003		
		First Named Inventor	Dasseux, et al		
		Art Unit	1614		
		Examiner Name	Zucker, Paul A.		
Sheet	15	of	18	Attorney Docket Number	PC 20612C (10173-034-999)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		RAUNIO et al., 1957, "Addition of Propargyl Acetal to Cyclohexanone in the Presence of Sodamide", J. Org. Chem 22:570.	
		REAVEN, 1993, "Role of insulin resistance in human disease (syndrome X): an expanded definition", Annu Rev Med. 44:121-31.	
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		RIGOTTI et al., 1996, "Regulation by adrenocorticotrophic hormone of the in vivo expression of scavenger receptor class B type I (SR-BI), a high density lipoprotein receptor, in steroidogenic cells of the murine adrenal	
		ROBINS AND FASULO, 1997, "High density lipoproteins, but not other lipoproteins, provide a vehicle for sterol transport to bile", J Clin Invest. 99(3):380-4.	
		SAM et al., 1972, "Crown Polyether Chemistry. Postassium Permanganate Oxidations in Benzene", J. Am. Chem. Soc. 94:4024.	
		SAULNIER et al., 1982, "Generation and Reactions of 3-Lithio-1-(phenylsulfonyl) indole", J. Org. Chem 47:757.	
		SHIRLEY et al. 1995, "Metalation of pyrrole, 1-methylpyrrole, and 1-phenylpyrrole with n-Butyllithium", J. Org. Chem 20:225-31.	
		SIANESI et al., 1971, "2,4-dihydro-1H-2,1-, 3,4-Dihydro-2H-1,2- und 3,4-Dihydro-1H-2,3-benzothiazin-S-S-dioxid", Chem. Ber. 104:1880-91.	
		SKINNER et al., 1995, "Benzoylcyanamide from ethyl benzoylthiocarbamate", J. Am. Chem. Soc. 77:5440-42.	

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		SMITH et al., 1957, "Nitrogen Compounds of the Phosphoric and Phosphonic Acids, III, Preparation and Properties of Amides of Phenylphosphonic and Phenylphosphonothioic Acids", J. Org. Chem. 22:265-267.	
		SONG et al., 1999, "Practical asymmetric synthesis of an endothelin receptor antagonist", J. Org. Chem. 64:9658-67.	
		STAELS AND AUWERX, 1998, "Regulation of apo A-I gene expression by fibrates", Atherosclerosis 137 Suppl:S19-23.	
		STEVENS et al., 1982, "Further studies on the utility of sodium hypochlorite in organic synthesis. Selective oxidation of diols and direct conversion of aldehydes to esters", Tetrahedron Lett. 23:4647-4650.	
		STOWELL et al., 1995, "A new method for the phosphorylation of alcohols and phenols", Tetrahedron Lett. 36 (11):1825-26.	
		SUNDARARAMAN et al., 1978, "One step conversion of aldehydes to esters", Tetrahedron Lett. 19: 1627-1628.	
		TOMROKA et al., 1995, "Catalytic Asymmetric Conjugate Addition of Grignard Reagents Mediated by Copper (I)-Chiral Bidentate Phosphine Complex", Tetrahedron Lett. 36:4275-4278.	
		TONTONOZ et al., 1994, "Adipocyte-specific transcription factor ARF6 is a heterodimeric complex of two nuclear hormone receptors, PPAR gamma and RXR alpha", Nucleic Acids Res. 22(25):5628-34.	
		UHLMANN et al., 1986, "Chemical 5'-phosphorylation of oligonucleotides valuable in automated dna synthesis", Tetrahedron Lett. 27:1023-26.	
		ULRICH, et al., 1995, "Cultured hepatocytes as investigational models for hepatic toxicity: practical applications in drug discovery and development", Toxicol Lett 82/83:107-15.	

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		Art Unit	1614		
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Sheet	17	of	18	Attorney Docket Number	PC 20612C (10173-034-999)

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		URATA et al., 1991, "Transition metal complex catalyzed carbonylation of organic halides in the presence of molecular sieves instead of base", Tetrahedron Lett. 32:36, 4733-36.	
		VOGTLE et al., 1987, "Doubly Clamped Cope Systems", J. Org. Chem. 52:5560-5564.	
		BLATT ed., 1943, "Gilbert Sulfonation and Related Reactions" pp 135-142, 160-165; Org. Synth. Coll. vol. II, Wiley, NY and Org. Synth. Coll. vol. IV, 1963, Wiley NY 529-531.	
		WILLIAMS et al., 1988, "Bromine as an oxidant for direct conversion of aldehydes to esters", Tetrahedron Lett. 29:5087-90.	
		WILSON et al., 1982, "A novel, nonoxidative method for the conversion of aldehydes to esters", J. Org. Chem. 47:1360-61.	
		WROBLEWSKI AND LADUE, 1995, "Lactic dehydrogenase activity in blood", Proc. Soc. Exp. Biol. Med. 90:210-213	
		YANAGISAWA et al., 1994, "Allylbarium Reagents: Unprecedented regio- and stereoselective allylation reactions of carbonyl compounds", J. Am. Chem. Soc. 116:6130-6141.	
		YOSHIKAWA et al., 1986, "Ruthenium Complex Catalyzed Regioselective Dehydrogenation of Unsymmetrical .alpha.,.omega.-Diols", J. Org. Chem. 51:2034.	
		YOSHIKAWA et al., 1983, "Catalytic Regioselective Dehydrogenation of Unsymmetrical .alpha.,.omega.-Diols Using Ruthenium Complexes", Tetrahedron Lett. 26:2677-2680.	
		YU ET AL., 1988, "A novel reagent for the synthesis of myo-inositol phosphates: n, n-diisopropyl dibenzyl phosphoramidite", Tetrahedron Lett. 29:979-82.	

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		Filing Date	December 23, 2003
		First Named Inventor	Dasseux, et al
		Art Unit	1614
		Examiner Name	Zucker, Paul A.
Sheet 18 of 18	Attorney Docket Number	PC 20612C (10173-034-999)	

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		NAN F et al. "Dual Function Glutamate-Related Ligands: Discovery of A Novel, Potent Inhibitor of Glutamate Carboxypeptidase II Possessing mGluR3 Agonist Activity" Journal of Medicinal Chemistry 2000, 43:pp. 772-774.	
		YUNKER et al., 1978, "Alpha-oxygenated fatty acids occurring as amides of 2-methylene-beta.-alanine in a marine sponge", Tetrahedron Lett. 47:4651-52.	
		MULZER, 1995, Comprehensive Organic Functional Group Transformations Oxford 5 pp161.	
		SWEENEY, 1995, "Comprehensive Organic Functional Groups Transformations", Oxford, vol. 2, pp 104-109.	

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